



robust



cost effective

data sheet



hp business inkjet 2230/2280 series 2230 • 2280 • 2280tn

The HP Business Inkjet 2230/2280 series is designed for power users and small workgroups who need to print professional color documents quickly and cost-effectively. These robust printers deliver sharp, accurate printing for both desktop and networked environments.

network/Internet ready

- add to your network—share your printer over your network as easy as installing any hp LaserJet printer (optional on 2230 and 2280)
- easy connectivity—the hp jetdirect EIO internal print server and hp PCL 5c and PostScript® 3 emulation (optional on 2230) make shared color printing both easy to use and manage from any standard Web browser
- Internet enabled—with an embedded Web server, the hp business inkjet 2280tn is capable of sending and receiving e-services (optional on 2230 and 2280)
- remote management—self-diagnostic e-services automatically send e-mail alerts when attention is required, such as paper out or low ink (optional on 2230 and 2280)

cost-effective

- reduce printing costs—four individual high-capacity ink cartridges (CMYK) let users change only the ones they need, contributing to a color cost per page of just 8.4* cents (2.2* cents black and white)
- minimize user intervention—the hp business inkjet 2230/2280 series is equipped with individual high-capacity ink cartridges that print around 1,750 pages for each color and a 250-sheet paper tray for minimal intervention; add an optional 250-sheet paper tray (standard with 2280tn) to increase capacity to 500 sheets
- reduce wasted printing—individual cartridges feature smart chips to continuously monitor print head health, print quality, and ink supply

performance

- print large jobs efficiently—print professional color documents with speeds of 7.5 ppm in normal mode and 14 ppm in fast mode and the new “speed optimized normal” mode prints up to 50% faster than “normal” mode with comparable print quality
- print on demand—print processing powered by 96/167 MHz dual processors and 48 MB of on-board printer memory; expandable up to 176 MB for fast printing of even the biggest graphic files (96 MHz/16 MB standard on 2230)
- confidently produce quality, accurate documents—print any business document with complete accuracy and superior print quality through auto-switching of hp PCL5C and PostScript 3 emulation (optional on 2230)

*Based on 5% average ink coverage for each color.

HP printing and imaging systems help you create powerful, professional communications easily. Printers, supplies, accessories, and services are designed together to work together and invented to meet your business needs.

hp business inkjet 2230/2280 series

hp business inkjet 2280tn shown

intuitive control features include LCD menu, job cancel and resume buttons, and ink level gauge

connect to PC or Mac® using parallel and EIO ports (optional on 2230)

four individual high-capacity ink cartridges (CMYK)



500-sheet printing capacity with 250-sheet input tray and optional second 250-sheet paper tray (standard on 2280tn)

150-sheet output tray

high performance color printing

- quality printing in less time—7.5 ppm color and 11 ppm black (normal mode), 14 ppm color and 15 ppm black (fast mode)
- 16 MB RAM (2230), 48MB RAM (2280, 2280tn)—upgradable to 176 MB
- high speed printing via 96/167 MHz dual processors (96 MHz single processor on 2230)
- robust networking with hp jetdirect EIO card
- excellent print quality up to 1200 x 600 dpi with hp photoret III
- Internet-enabled with embedded Web server for sending and receiving e-services

hp business inkjet 2230

high speed color for desktop users

- 16 MB RAM
- 96 MHz processor
- 250-sheet paper input tray

optional accessories

- second 250-sheet paper input tray
- hp PCL 5c/PostScript 3 emulation
- hp jetdirect EIO internal print server
- memory upgrade—expand up to 176 MB with hp 64/128 MB SDRAM module (note: hp PCL 5c/PostScript 3 emulation card required to enable memory upgrade)

hp business inkjet 2280

high speed color for small workgroups

- 48 MB RAM
- 96/167 MHz dual processors
- 250-sheet paper input tray
- hp PCL 5c/PostScript 3 emulation

optional accessories

- second 250-sheet paper input tray
- hp jetdirect EIO internal print server
- memory upgrade—expand up to 176 MB with hp 64/128 MB SDRAM module

hp business inkjet 2280tn

high speed color for networked environments

- 48 MB RAM
- 96/167 MHz dual processors
- two 250-sheet paper input trays
- hp PCL 5c/PostScript 3 emulation
- hp jetdirect EIO internal print server

optional accessories

- memory upgrade—expand up to 176 MB with hp 64/128 MB SDRAM module

If you need a powerful, cost-effective color printer for your desktop or a network printer for your small office or workgroup, the HP Business Inkjet 2230/2280 series printers offers the solution for your business needs today, and tomorrow. Use any of these models to deliver fast, vibrant printing for all your important business communications.



networking now (or later)

All of the HP Business Inkjet 2230/2280 series printers are built with networking in mind. If you're looking to network your small business or workgroup immediately, consider the HP Business Inkjet 2280tn. This printer comes with a robust EIO networking HP Jetdirect card and an embedded Web server to make shared color printing easy to use and manage from any standard Web browser, in all major network environments and protocols. The HP Business Inkjet 2280tn printer is Internet-enabled, capable of sending and receiving printing e-services such as self-diagnostic services that send automatic e-mail alerts when attention is required. If networking capability isn't an immediate need, purchase either the HP Business Inkjet Printer 2230 or 2280 with the knowledge that both printers can be upgraded for full networking ability.

powerful printing

The HP Business Inkjet 2230/2280 series was designed for users looking for an affordable solution to their demanding printing needs. Produce professional, effective communications in less time. For fast printing or drafts, you can print full-color documents at speeds of 14 ppm in fast mode and 15 ppm in black and white. When you're ready to print the final product, use the normal mode and receive color printouts at 7.5 ppm. Plus, HP has added a new "Speed-optimized Normal" that prints documents up to 50% faster than the "Normal" mode with comparable print quality. Colors appear vibrant and sharp with HP PhotoREt III color layering technology. Print accuracy and excellent quality are assured with auto-switching of HP PCL 5c and PostScript 3 emulation (optional on the 2230). The HP Business Inkjet 2280 and 2280tn both deliver the power that comes from 96/167 MHz dual processors (96 MHz on the 2230) and 48 MB of built-in RAM memory (16 MB in the 2230). And, all models can expand to 176 MB of RAM, making this the printer that truly grows with your business.

affordable, low maintenance printing

HP designed the HP Business Inkjet 2230/2280 series with you in mind—robust printers that don't require a lot of attention and won't increase your bottom line. By using four individual high-capacity ink cartridges (black, cyan, magenta, yellow), these printers create documents more efficiently, extending printing life. Each ink cartridge features smart chips to continuously monitor both printhead health and ink supply. And because you only have to replace the individual color ink cartridges that are empty, you save money on ink costs. Printed documents cost only 2.2* cents per page for black and white and 8.4* cents per page for color. The high-capacity ink cartridges print up to 1,750 pages on each color

thereby lowering your intervention with the printer. To further lower your intervention rate, consider purchasing an additional 250-sheet paper tray (standard on the 2280tn).

works in your environment

The HP Business Inkjet 2230/2280 series printers support Microsoft® Windows® and include standard parallel interfaces for PC environments. The 2280tn model also supports additional operating systems including Macintosh®, OS2, Linux®, and UNIX® (optional on the 2230/2280). And by using the same connectivity system, driver layout, and management tool support, the HP Business Inkjet 2230/2280 series blends seamlessly into HP LaserJet printer environments.

maximize your returns with hp services

In an effort to provide customers predictable cost structures and business efficiency gain, HP offers a comprehensive set of services, including HP Consulting, HP Outsourcing, HP Support, HP Education, and HP Finance. To find more information go to the HP Services Web site at www.hp.com/hps/

*Based on 5% average ink coverage for each color.

technical specifications

hp business inkjet 2230/2280/2280tn series printers

Memory: 16 MB internal fixed (48 MB internal fixed on 2280/2280tn models)
upgradable to 176 MB
Memory slots: ISO DIMM slot (144 pin, SDRAM, 133 MHz)
Motorola microprocessor 97 MHz (2230 model), 97 MHz +167 MHz (2280, 2280tn models)
HP PCL3 with high-performance architecture (HPA); HP PCL 5c and PostScript 3 emulation (2280, 2280tn models)

print speeds (in pages-per-minute)

letter	fast	normal
best		
Black text*	15	11
6.5		
Color mixed text/graphics*	14	7.5**
1.5		
Full page color*	6	2.5
0.5		

*plain paper

**new "Normalspeed Optimized" mode prints up to 50% faster than "Normal" mode with comparable print quality

resolution

HP PhotoREt III print quality
1200 x 600 dpi

paper handling

Input tray: capacity 250 sheets 16 to 36 lb bond (60 to 135 g/m²)
Optional 2nd tray: capacity 250 sheets (standard on 2280tn) 16 to 36 lb bond (60 to 135 g/m²)
Output tray: capacity 150 sheets

media types and sizes

Copier, bond, recycled, multipurpose, premium inkjet, premium inkjet heavyweight, premium transparency, premium photo paper, photo paper, professional brochure (matte and glossy), cards, and envelopes
Media sizes from 4 x 6 in (102 x 152 mm) to 8.5 x 14 in (216 x 356 mm)

control panel

Text-based LCD front panel
Intuitive operations with Resume, Job Cancel, Menu, Item, Value, and Select buttons
Messages can be displayed in 15 languages

operating systems

2230/2280: supports Windows 95/98/ME, Windows NT® 4.0, Windows 2000, Windows XP
2280tn: supports Windows 95/98/ME, Windows NT 4.0, Windows 2000, Windows XP, Macintosh OS 8.6 and above (including OS X)

networking operating systems (via optional hp jetdirect print servers)

Novell IntranetWare, NetWare 3.12, 4.x, 5.x, NDS and NDPS; HP-UX 10.20, 11.x; Solaris 7; IBM OS/2, Warp 4.x, AIX 3.2.5 and later; MPE-iX; Mac OS 8.6 and later; Red Hat® Linux 6.2; SuSE Linux 6.4; Artisoft LANtastic via HP Jetdirect printer servers

font capabilities

45 TrueType™ and 35 PostScript fonts built-in; all PostScript emulation and HP PCL 5c-accessible; Intellifont and TrueType rasterizer built into PCL 5c; built-in support for Arabic, Cyrillic, Greek, Asian 2-byte and Hebrew symbol sets

environmental ranges

Operating temperature: 41 to 104° F (5 to 40° C)
Recommended operating conditions: 59 to 95° F (15 to 35° C)
Storage temperature: -40 to 140° F (-40 to 60° C)
Relative humidity: 20 to 80% RH non-condensing

acoustics

49 dB(A) sound pressure, 59 dB(A) sound power

power requirements

Source: 100 to 240 VAC (±10%), 2 Amp. max
Frequency: 50 or 60 Hz (±3 Hz)

power consumption

Printing: 65 watts average printing, 68 watts maximum printing
Powersave mode: less than 2 watts when off, 8 watts maximum when non-printing

product certification

Safety Certification: CCIB (China), CSA (Canada), PSB (Singapore), UL (USA), NOM-1-NYCE (Mexico), TÜV-GS (Germany), JUN (Korea)

smart features

Eservices with embedded Web server
Inklevel gauge
Auto pen alignment
Transparency sensor
HP Instant Support

connectivity

2230: IEEE 1284-compliant bi-directional parallel, 2 open EIO slots
2280: IEEE 1284-compliant bi-directional parallel, HP PCL 5c/PostScript 3 emulation upgrade kit, 1 open EIO slot
2280tn: IEEE 1284-compliant bi-directional parallel, HP PCL 5c/PostScript 3 emulation upgrade kit, HP Jetdirect 615n internal print server for Fast Ethernet 10/100Base-TX

duty cycle

Up to 10,000 pages-per-month

dimensions (w x d x h)

2230: 20.2 x 20.3 x 8.2 in (512 x 514 x 208 mm)
2280: 20.2 x 20.3 x 8.2 in (512 x 514 x 208 mm)
2280tn: 20.2 x 20.4 x 11.5 in (512 x 517 x 291 mm)

weight

2230: 23 lb (10.5 kg)
2280: 23 lb (10.5 kg)
2280tn: 32 lb (14.5 kg)

warranty

One-year HP Express Exchange warranty

what's in the box

Power cord, reference guide, setup guide, printer software CD-ROM, four printheads and ink cartridges (one each: black, cyan, magenta, and yellow), 250-sheet input tray (2280tn model only)

ordering information

number	description
C8119A	HP Business Inkjet 2230 printer
C8120A	HP Business Inkjet 2280 printer
C8121A	HP Business Inkjet 2280tn printer
service and support	
H3679E	HP Supportpack, 2-year, express exchange
H3678A/H3678E	HP Supportpack, 3-year, express exchange
H3676E	HP Supportpack, 2-year, next-day onsite
H3675A/H3675E	HP Supportpack, 3-year, next-day onsite
supplies and accessories	
C8229A	HP PCL 5c/PostScript 3 emulation upgrade kit
C8230A	250-sheet input tray
hp printheads	
C4810A	HP 11 black printhead
C4811A	HP 11 cyan printhead
C4812A	HP 11 magenta printhead
C4813A	HP 11 yellow printhead
hp inkjet print cartridges	
C4844A	HP 10 black ink cartridge, (69 ml)
C4836A	HP 11 cyan ink cartridge, (28 ml)
C4837A	HP 11 magenta ink cartridge, (28 ml)
C4838A	HP 11 yellow ink cartridge, (28 ml)
hp multipurpose paper	
M1120	U.S. letter size, 500 sheets
hp printing paper	
HPF1122	U.S. letter size, 500 sheets
CHP210	European A4 size, 500 sheets
hp premium inkjet paper	
51634Z	European A4 size, 200 sheets
hp premium inkjet heavyweight paper	
C1852A	U.S. letter size, 100 sheets
C1853A	European A4 size, 100 sheets
hp premium photo paper	
C6039A	U.S. letter size, 15 sheets
C6979A	U.S. letter size, 50 sheets
C6040A	European A4 size, 15 sheets
C6043A	Asian A4 size, 15 sheets
C7040A	A4 size, 50 sheets
hp photo paper	
C1846A	U.S. letter size, 20 sheets
C6982A	U.S. letter size, 60 sheets
C1847A	European A4 size, 20 sheets
hp professional brochure and flyer paper, glossy (2-sided)	
C6817A	U.S. letter size, 50 sheets
C6818A	European A4 size, 50 sheets
hp professional brochure and flyer paper, matte (2-sided)	
C6955A	U.S. A size, 50 sheets
hp premium transparency film	
C3834A	U.S. letter size, 50 sheets
C3828A	U.S. letter size, 20 sheets
C3835A	European A4 size, 50 sheets
C3832A	European A4 size, 20 sheets
hp premium plus transparency film	
C7028A	U.S. letter size, 50 sheets
C7030A	U.S. letter size, 20 sheets
C7029A	European A4 size, 50 sheets
C7031A	European A4 size, 20 sheets
memory	
C2387A	64 MB SDRAM, PC-100 module
C2388A	128 MB SDRAM, PC-100 module
interface and cables	
C2950A	IEEE-1284 compliant A-B parallel cable, 2 m
C2951A	IEEE-1284 compliant A-B parallel cable, 3 m
network	
J3263A	HP Jetdirect 300x EIO (10/100 Base-TX)
J3264A	HP Jetdirect 500x EIO (Token Ring)
J3265A	HP Jetdirect 500x EIO (10/100 Base-TX)
J3111A	HP Jetdirect 600n EIO (BNC)
J3110A	HP Jetdirect 600n EIO (10/100 Base-T)
14167A	HP Jetdirect 610n EIO (Token Ring)
J6057A	HP Jetdirect 615n EIO (10/100 Base-TX)

HP PCs use genuine Windows Operating Systems www.microsoft.com/piracy/howtotell

For more information on the HP Business Inkjet 2230/2280 series, visit our Web site at www.hp.com and click on products and services. Here you will find information on products, supplies, and accessories for all your computing needs. HP printers, personal computers, supplies, and accessories are available at authorized HP resellers worldwide.

ENERGY STAR is a U.S. registered service mark of the United States Environmental Protection Agency. As an ENERGY STAR partner, HP has determined that this product meets the guidelines for energy efficiency. Apple and Macintosh are trademarks of Apple Computer, Inc. registered in the USA, and other countries. Microsoft, Windows, and Windows NT are registered trademarks of Microsoft Corporation in the USA, and other countries. UNIX is a registered trademark of the Open Group in the USA, and other countries. All other brand and product names are trademarks or registered trademarks of their respective companies. The information contained in this document is subject to change without notice. HP makes no warranty of any kind with respect to this information. HP specifically disclaims the implied warranty of merchantability and fitness for a particular purpose. HP shall not be liable for any direct, indirect, incidental, consequential, or other damage alleged in connection with the furnishing or use of this information.

